VETERINARY INSTRUMENTS

(ABRIDGED LIST)

BY ROYAL WARRANT
OF APPOINTMENT.

ARNOLD & SONS,

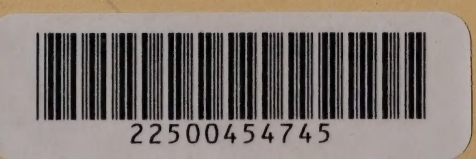
In association with
SAVORY & MOORE, LTD., and JOHN BELL & CROYDEN,

Makers of Superior Veterinary Instruments,

50-52, WIGMORE STREET, LONDON, W. 1.

Works : LAWRENCE ROAD, SOUTH TOTTENHAM, N. 15.

ESTABLISHED 1819.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ABRIDGED LIST

OF

Veterinary Instruments

By Royal Warrant of Appointment

ARNOLD & SONS,

In association with

SAVORY & MOORE, LTD., and JOHN BELL & CROYDEN,

Makers of Superior Veterinary Instruments,

To His Majesty's Army; The Honourable Council of India; The Crown Agents for the Colonies; The New Zealand Government; The Canadian Government; The Queensland Government; The Egyptian Government; The Commonwealth of Australia; Foreign Governments; The Royal Veterinary College, &c.

50-52, WIGMORE STREET, LONDON, W. 1.

Factory: **Standard Works, Lawrence Road, Tottenham, N. 15.**

Telegraphic Address:
"Instruments, Wesdo, London,"
Code, Bentleys

Telephone Nos.:
Welbeck 5555 (10 lines).
(Private Branch Exchange).
Factory: Tottenham 1210 (3 lines).

Established 1819.

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PREFACE.

ARNOLD & SONS in presenting this abridged list of Veterinary Instruments, beg to announce that the new Edition of their Illustrated Catalogue, is in course of preparation and will be published shortly.

Having been established over a Century is evidence that their instruments have been fully appreciated, and as they are ever the first to adopt any suggested improvement, or carry out original ideas, they hope still to receive the same patronage that has at all times been extended to them.

Only the best and most experienced **English** workmen are employed in ARNOLD & SONS' Factory, and every instrument so manufactured is most carefully examined and tested before leaving their Establishment, thus enabling them to guarantee every article purchased to be of the latest construction, best quality of material, and the highest possible finish.

Prices affixed are extremely moderate, taking into consideration the *superior* material and workmanship, and will bear favourable comparison with other lists. Whilst every endeavour is made to maintain quoted prices these are liable to alteration, from time to time, owing to market fluctuations.

Orders from abroad must either be accompanied by a remittance or an order for payment in London, and it is requested that when orders are sent through an agent, it be distinctly stated instruments are to be obtained *direct from* ARNOLD & SONS, as articles of *inferior* quality are frequently substituted and represented as of their manufacture.

Terms.—First order should be accompanied by a remittance.

Accounts will be opened on receipt of two Trade References.

Prices quoted are strictly nett. Accounts are due within seven days of receipt of statement.

Instruments are stamped ARNOLD & SONS, LONDON, as a guarantee that they are *English* and not *foreign* manufacture.

ARNOLD & SONS is the only Firm of Instrument Manufacturers honoured with Royal Warrants of Appointments.

Showrooms:
50/52, WIGMORE STREET,
LONDON, W. 1.

Factory:
STANDARD WORKS,
LAWRENCE ROAD, TOTTENHAM, N. 15.

Code, BENTLEY'S

Telegraphic Address:
"INSTRUMENTS, WESDO, LONDON."

Telephone Nos.:
WELBECK 5555 (10 lines)
(Private Branch Exchange).
Factory: TOTTENHAM 1210 (3 lines).

Established 1819

ABRIDGED LIST OF
Veterinary Instruments.

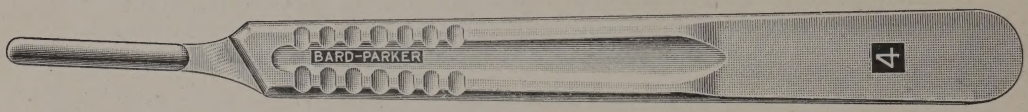


Fig. A 1

No.		£	s.	d.
A 1.	Bard-Parker Knife Handle for blades 20, 21, 22 & 23 ...	0	5	0

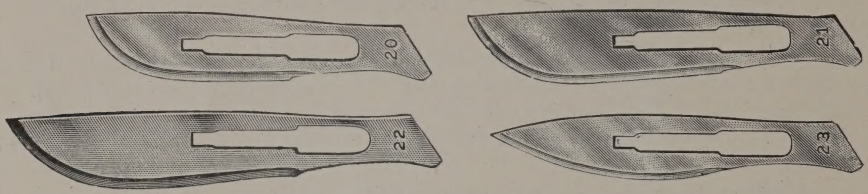


Fig. A 2

A 2. Bard-Parker Blades, for handle, sizes 20, 21, 22 & 23—
per packet of six 0 3 9

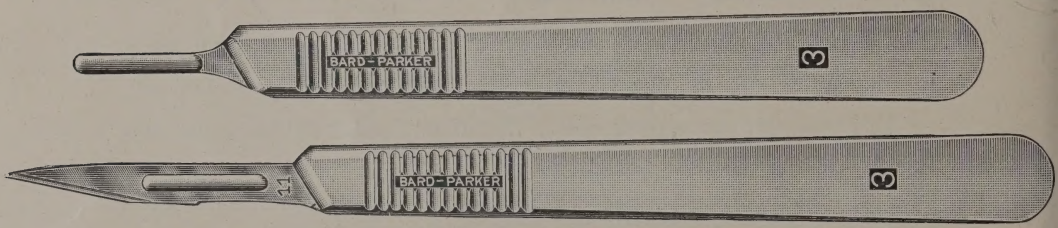


Fig. A 3

A 3. Bard-Parker Knife Handle for blades 10, 11 & 12 ... 0 5 0

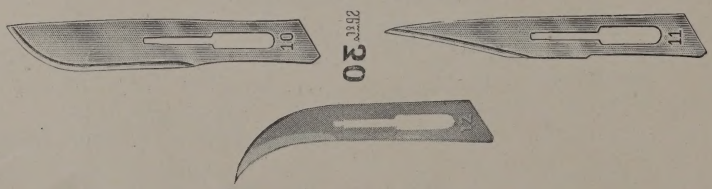


Fig. A 4

A 4. Bard-Parker Blades, for handle, sizes 10, 11 & 12—
per packet of six 0 3 9

A 5. Leather Case for Bard-Parker handles and blades ... 0 5 6

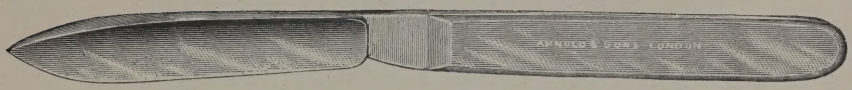


Fig. A 6

No.		£	s.	d.
A 6.	Operation Knife, stainless steel	0	7	6
A 7.	Ditto ordinary steel	0	6	3

Fig. A 8

A 8.	Scalpels, stainless steel, assorted sizes	0	4	6
A 9.	Ditto ordinary steel	0	3	0
A 10.	Ditto ditto Foreign	0	1	6

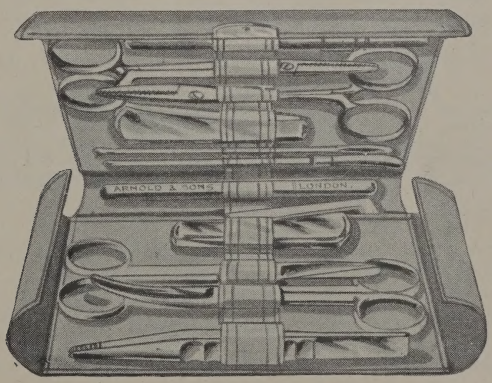


Fig. A 11

A 11. Pocket Case for Students, of leather, with knives in nickel-plated handles ... ... per set 2 10 0

Containing :—

Symes Abscess knife	Set of trocars
Castrating knife	Director
Two Artery forceps	Silver probe
Dissecting forceps	Clinical thermometer
Straight Dressing scissors	Tablet of silk, 4 sizes
Curved Dressing forceps	Suture needles (6)

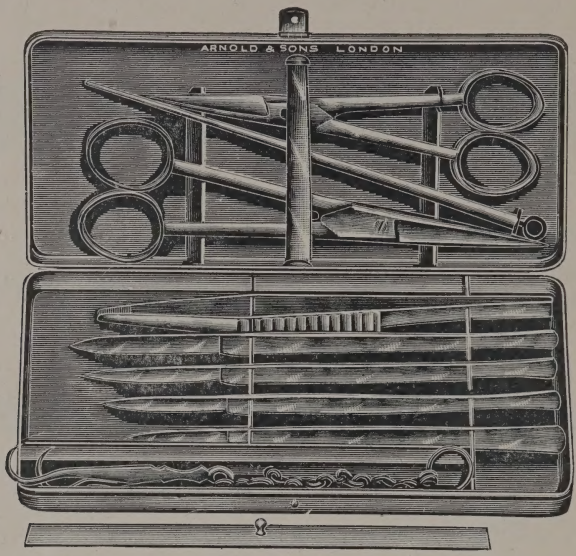


Fig. A 12

No.		£	s.	d.
A 12.	Dissecting Case, improved, all metal, nickel-plated per set	2	5	6

Containing :—

4 Scalpels, solid forged nickel-plated	Blowpipe
2 pairs Scissors, nickel-plated	Set of chain hooks
1 pair Spring forceps, nickel-plated	Two needles

A 13.	If scalpels, scissors and forceps made of stainless steel, per set	2	17	6

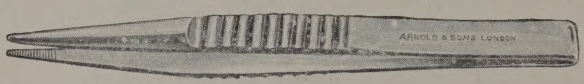


Fig. A 14

A 14.	Dressing or Dissecting Forceps, stainless steel— 5-in. 4/6 ; 6-in.					0	5	0
A 15.	Ditto	ditto	ordinary steel, 5-in. 3/6 ; 6-in.			0	4	3
A 16.	Ditto	ditto	Foreign	5-in. 1/3 ; 6-in.		0	2	0

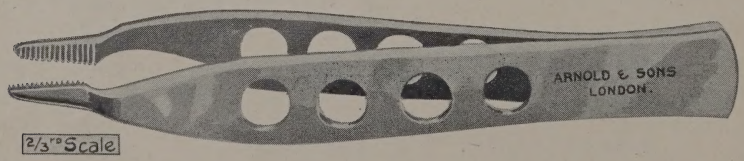


Fig. A 17

A 17.	Dissecting Forceps (Jeans'), stainless steel	0	16	0

The rings prevent any possible lateral movement at the point.

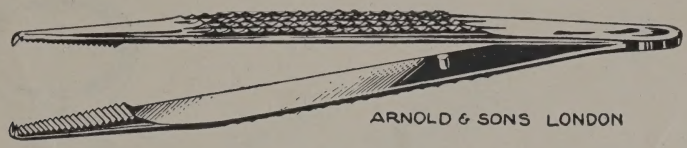


Fig. A 18

No.						£	s.	d.
A 18.	Dissecting Forceps, improved, nickel-plated			...	7-in.	0	12	9
A 19.	Ditto	ditto	ditto	Foreign	7-in.	0	5	6
A 20.	Ditto	ditto	stainless steel	...	...	0	15	9
A 21.	Ditto	ditto	ditto	Foreign	...	0	9	0

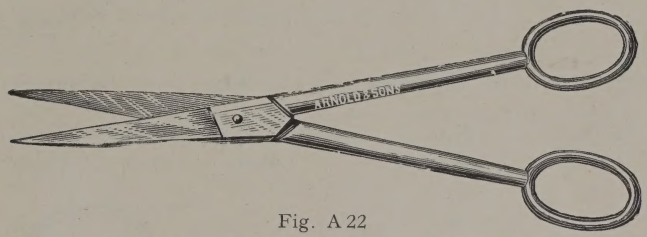


Fig. A 22

A 22.	Dissecting Scissors, stainless steel		...	5-in. 5/6 ; 6-in.		0	7	6
A 23.	Ditto	ordinary steel	...	5-in. 3/- ; 6-in.		0	4	6
A 24.	Ditto	ditto	Foreign	5-in. 1/6 ; 6-in.		0	2	9

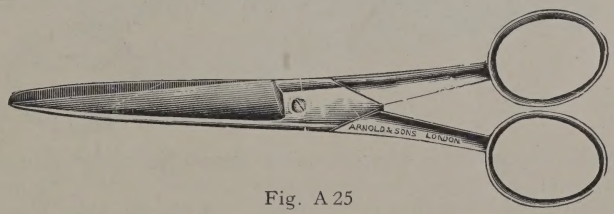


Fig. A 25

A 25.	Dressing Scissors, straight, open shanks, stainless steel,				5-in.	0	4	9
A 26.	Ditto	ditto	ditto	ordinary steel,	5-in.	0	3	6
A 27.	Ditto	ditto	ditto	Foreign	5-in.	0	1	8

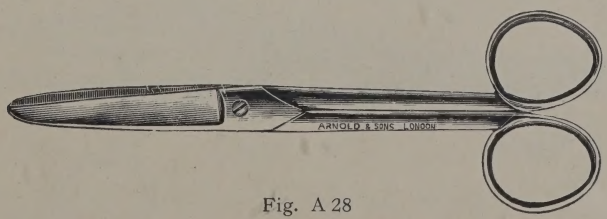


Fig. A 28

A 28.	Dressing Scissors, straight, close shanks, stainless steel—				5-in. 4/6 ; 6-in.	0	6	6
A 29.	Ditto	ditto	ordinary steel,		5-in. 3/6 ; 6-in.	0	4	6
A 30.	Ditto	ditto	Foreign	...	5-in. 1/6 ; 6-in.	0	2	6

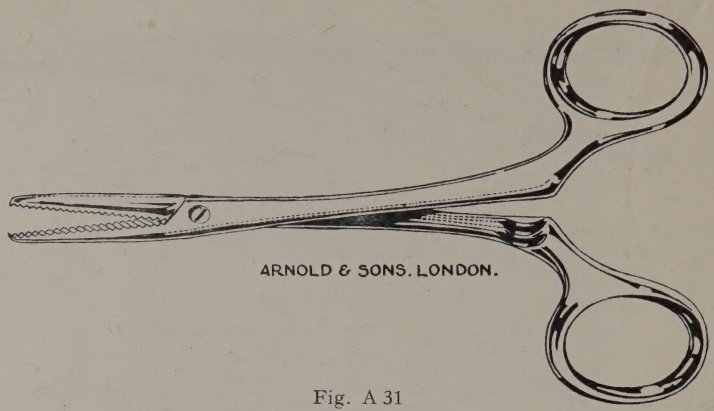


Fig. A 31

No.		£	s.	d.
A 31.	Artery Forceps (Spencer Wells'), large bows, stainless steel ... ... 5-in. 7/6; 7-in.	0	12	6
A 32.	Ditto ditto ordinary steel, 5-in. 4/6; 7-in.	0	9	0
A 33.	Ditto ditto ditto Foreign 5-in.	0	2	6

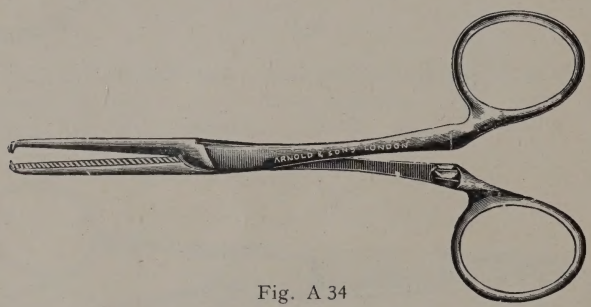


Fig. A 34

A 34.	Artery Forceps (Kocher's), with screw joint, stainless steel ... ... 5-in.	0	10	6
A 35.	Ditto ditto ditto ordinary steel, 5-in.	0	7	0
A 36.	Ditto ditto Foreign ... ... 5-in.	0	3	0
A 37.	Ditto ditto Foreign stainless steel, 5-in.	0	5	6

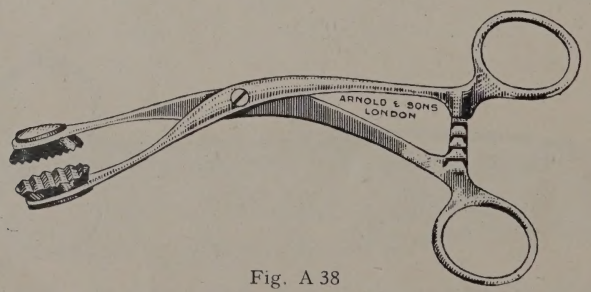


Fig. A 38

A 38.	Tongue or Compression Forceps, for small animals, with India-rubber jaws, nickel-plated, Foreign	0	6	0
A 39.	Sponge India-rubber Pads ... ... per pair	0	1	0

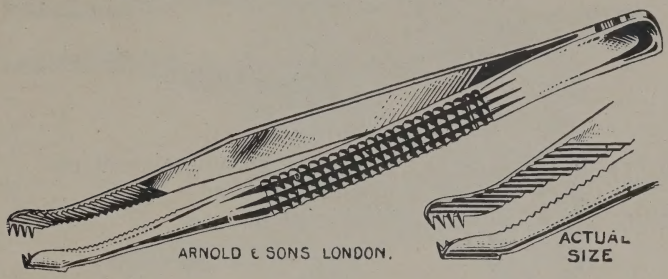


Fig. A 40

No.		£	s.	d.
A 40.	Skin Suture Forceps (Childe's), nickel-plated	0	15	0
A 41.	Ditto ditto ditto Foreign ...	0	9	9
A 42.	Ditto ditto stainless steel	0	18	0

These forceps have strong blades, deeply serrated on the inner surface near the ends to secure a firm hold on the skin and prevent slipping. The object is to secure full eversion of the edges of the skin in closing a wound.

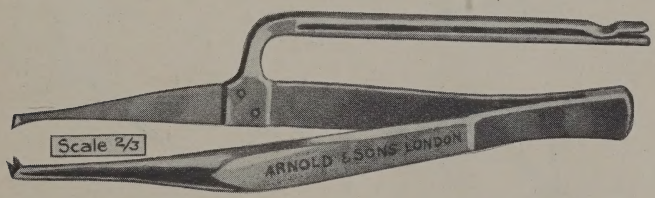


Fig. A 43

A 43.	Suture Forceps (Michel's), for picking up the edges of wound, with gallery for sutures, nickel-plated ...						0	11	3
A 44.	Ditto	ditto	ditto	Foreign	...	...	0	6	6

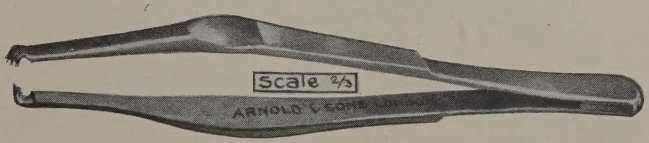


Fig. A 45

A 45.	Suture Forceps (Michel's) for inserting sutures, nickel-plated						0	6	9
A 46.	Ditto	ditto	ditto	Foreign	...	...	0	3	9
A 47.	Michel's Metal Sutures, original make, ordinary size, per 100						0	1	0
A 48.	Ditto	ditto	ditto	larger size	,,	,,	0	1	9

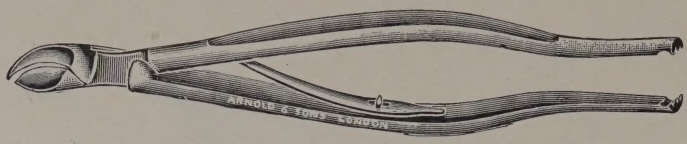


Fig. A 49

No.		£	s.	d.
A 49.	Forceps, double (Michel's), one end for suturing and the other for removing sutures, nickel-plated	0	7	6
A 50.	Ditto ditto scissor pattern, Foreign ...	0	5	6

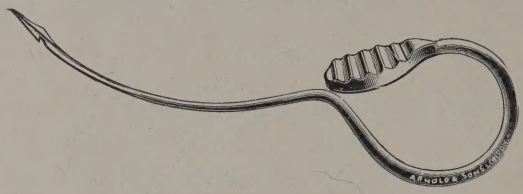


Fig. A 51

A 51. Suture Needle (Barker's), with thumb rest, nickel-plated 0 2 3

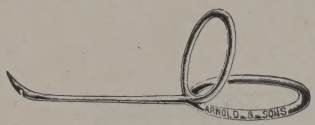


Fig. A 52

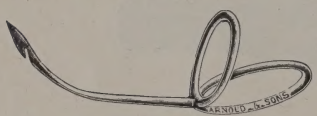


Fig. A 52a

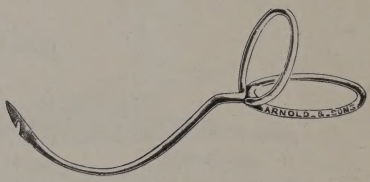


Fig. A 52b

A 52. Suture Needles, Improved, with thumb rest, nickel-plated, A 52, A 52a and A 52b 0 2 6

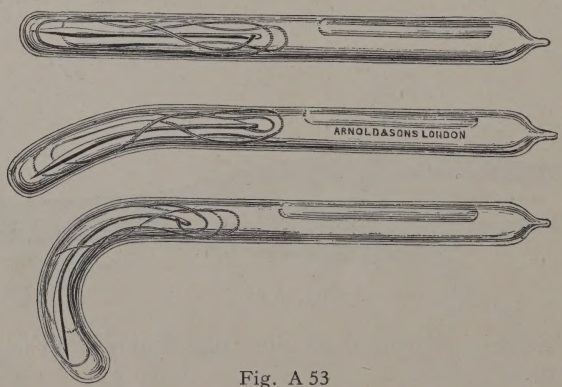


Fig. A 53

A 53. Aseptic Emergency Package, with curved, half curved or straight needle threaded with catgut, silk or silkworm gut ... ... per tube 0 1 0

Fig. A 54

Sterilised Ligatures. The "Marylebone" series in hermetically sealed tubes. All ligatures are prepared by special processes under the supervision of a highly qualified expert. The sterility of all ligature products is verified by efficient bacteriological control.

No.			£	s.	d.
A 54.	Catgut, Chromic	sizes 6/0 to 4, per tube	0	1	3
A 55.	Ditto	„ 5 & 6 „ „	0	1	6
A 56.	Catgut, Plain	„ 6/0 to 4 „ „	0	1	3
A 57.	Ditto	„ 5 & 6 „ „	0	1	6
A 58.	Silk Twist	„ 3/0 to 4 „ „	0	1	3
A 59.	Ditto	„ 5 & 6 „ „	0	1	6
A 60.	Silk Worm Gut	Extra Fine „ „			
A 61.	Ditto	Fine „ „			
A 62.	Ditto	Medium „ „	0	1	3
A 63.	Ditto	Stout „ „			
A 64.	Ditto	Extra Stout „ „			
		in White or Coloured			

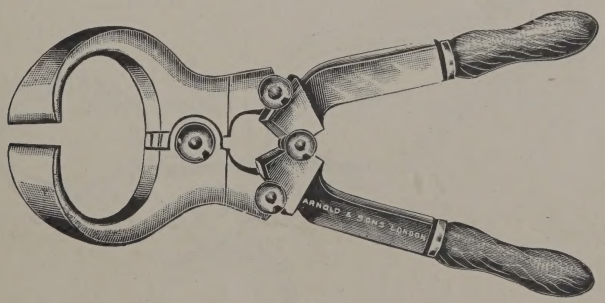
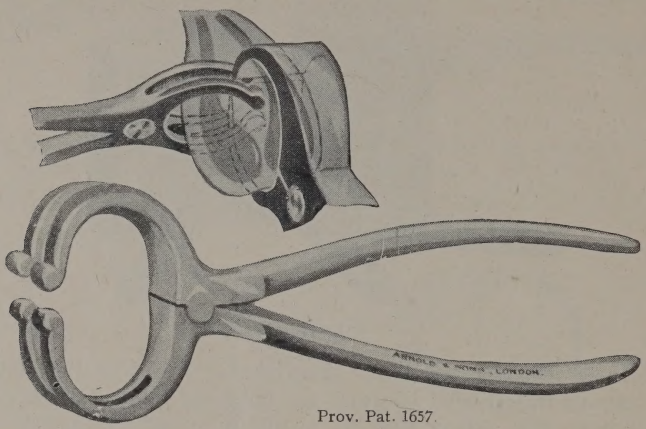


Fig. A 65

A 65.	Castrator (Burdizzo's) Genuine Italian for Bulls, Sheep and Pigs, nickel-plated— Baby size, £2 5s. 0d.; A 66 Small, £3 0s. 0d.; A 67 Large	3	0	0
A 68.	Ditto ditto ditto with elongated handles	3	0	0
	German Pattern, A 69 Baby size, £1 6s. 6d.; A 70 Small	2	4	0
	A 71 Medium, £2 6s. 6d.; A 72 Large	2	14	0



Prov. Pat. 1657.

Fig. A 73

No.		£	s.	d.
A 73.	Cord-Holding Forceps (Lewis' Patent) for use with Bloodless Castrators ... ... black finish	1	0	0
A 74.	Ditto ditto ... ... nickel-plated	1	2	6

The advantage claimed for this instrument is, the impossibility of the cord escaping during the operation.

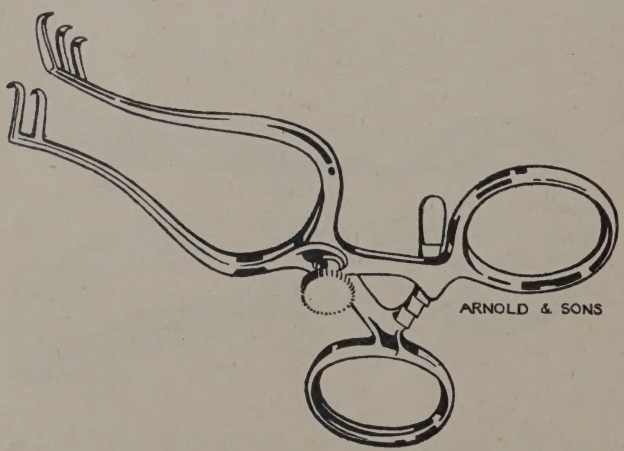


Fig. A 75

A 75. Retractor, wound, small size, nickel-plated, Foreign ... 0 6 0

The above can be used as a retractor for Caponising.

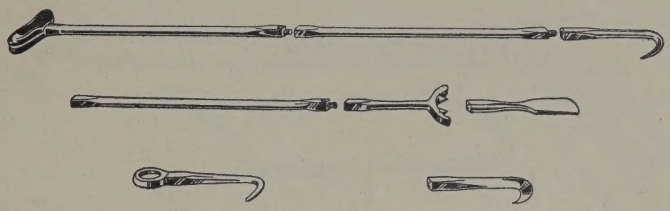


Fig. A 76

No.		£	s.	d.
A 76.	Obstetric Instruments (Fletcher's Improved), nickel-plated, set complete ... ... per set	3	3	0

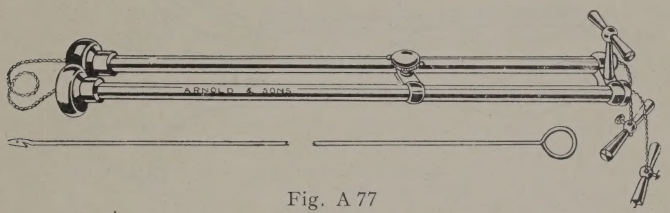


Fig. A 77

A 77.	Embryotome, Improved Model, nickel-plated with spare coil of wire	5	0	0
A 78.	Coil of Wire for above (4-strand) ... ... per coil	0	7	6
A 79.	Ditto ditto (8-strand) ... .. „ „	0	12	0

This Instrument consists of two tubes fastened together with a rounded steel head in the shape of a funnel, giving protection against the wire saw which passes through them.

In sawing, the part outside the sheath comes against the part to be removed. It ensures safe, quick sawing, sideways as well as backwards and forwards, giving increased adaptability. To avoid twisting the saw, keep continually taut. Before application, adjust the loop of the saw, or put it round the part to be removed, drawing the saw through the Instrument.

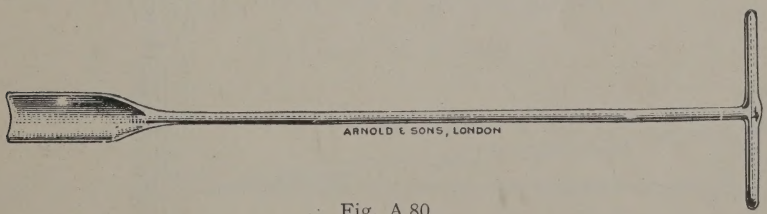


Fig. A 80

A 80.	Partuition Chisel (Edwards' Modified Williams), nickel-plated, 30-in. long, width of chisel 2-in.	0	19	6

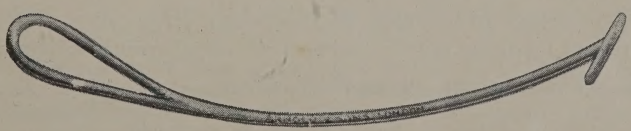


Fig. A 81

A 81.	Lambing Vectis, nickel-plated	0	9	6

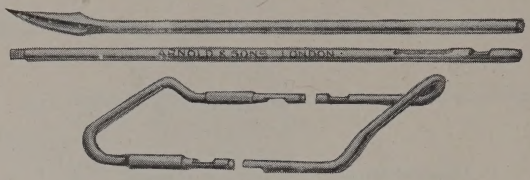


Fig. A 82

No.		£	s.	d.
A 82.	Vulva Sutures (Dr. Nuesch's), per set of three with needle	0	13	6
A 83.	Vulva Sutures only	0	4	6

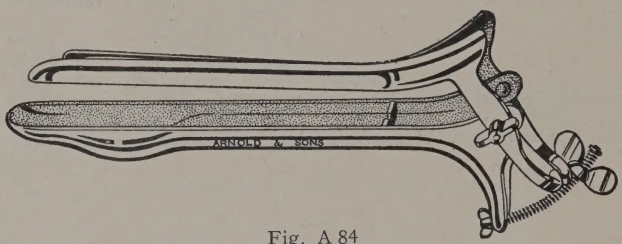


Fig. A 84

A 84.	Vaginal Speculum (Peard's Improved), dilating, nickel-plated	4	10	0

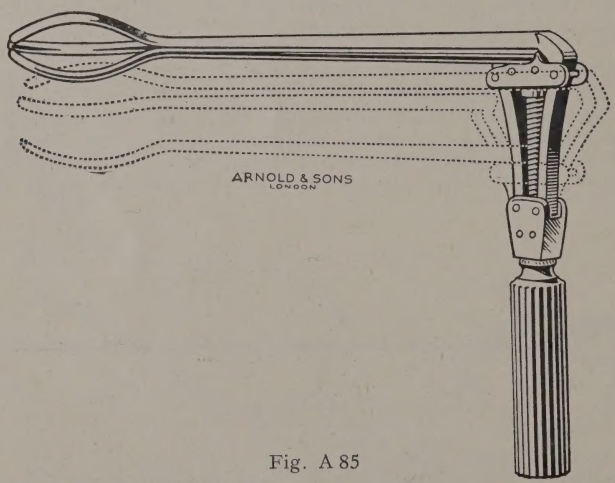


Fig. A 85

A 85.	Vaginal Speculum (Arnold Spicer's), dilating, with metal handle, nickel-plated	7	7	0

Extract from "THE VETERINARY RECORD."

The instrument illustrated above is an improved vaginal speculum, built up on Prof. Axe's lithotomy dilator. That instrument proved too short for the purpose, and gave no more dilatation at the end of the passage than it did at the entrance Acting on my instructions Messrs. ARNOLD & SONS, added the curved-shaped extremities, thereby increasing the length by about three inches, and giving the maximum dilation just behind the *os uteri*. With the aid of an electric torch a good view of the vagina and *os uteri* can be obtained, and the forceps can be fixed on to the os without inserting the hand.

ARNOLD SPICER, F.R.C.V.S.

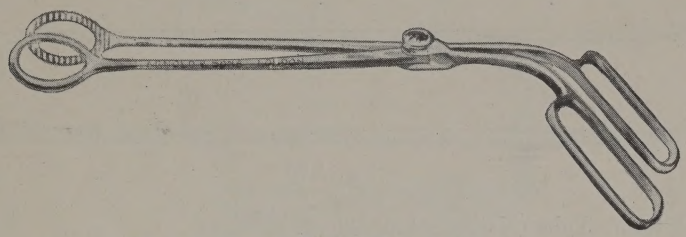


Fig. A 86

No.		£	s.	d.
A 86.	Obstetric Forceps, bitch (Stevens'), nickel-plated ...	1	5	6

Extract from "THE VETERINARY RECORD."

It will be noticed that the fenestrated ends which grasp the head of the puppy are specially light in design, so that, when the puppy's head is drawn through the pelvic arch and vulva they occupy the smallest space possible and, owing to their narrow contour, sink well into the skin covering the head, and give a good grip. Their small size also facilitates searching for puppies lying back in the uterus.

The comparatively long and slender shafts facilitate intra-uterine work and, owing to their spaced alignment, it is impossible to pinch the mucous membranes lining the vagina and vulva, a common fault with many forceps of scissor-like action. The joint of these new forceps has, Messrs. Arnold inform me, been made as small as possible consistent with strength. This, too, will not pinch the membranes if it is necessary to introduce them so far into the vagina Another feature of this joint is the removable bolt that will allow of the blades being introduced separately, as in the human pattern. This is specially useful when the head is jammed in the pelvic arch, and there is very little room. After being inserted in the required positions separately, the joint is re-bolted, and is ready for traction.

The handles are large and bold, giving plenty of scope for inserting the fingers and getting a good grip, both when searching for fœtuses in the uterus and for traction. They have been bent at an angle, so that the elbow and hand may be kept in a comfortable position when operating, the bitch being on a table, and by this means also interference with the tail is avoided. Messrs. ARNOLD & SONS, Wigmore Street, W. 1 took a great deal of trouble to meet my suggestions.

Professor Neilsen's Instruments for Sterility in Cows.

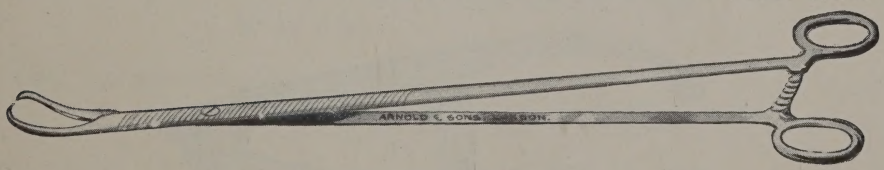


Fig. A 87

A 87.	Uterine Vulsellum Forceps (Neilsen's), nickel-plated	...	1	10	0
A 88.	Ditto	ditto	ditto	Similar, Foreign	...	0	14	6

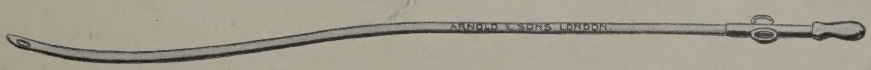


Fig. A 89

A 89.	Uterine Tube (Neilsen's), single channel ...	...	0	4	6

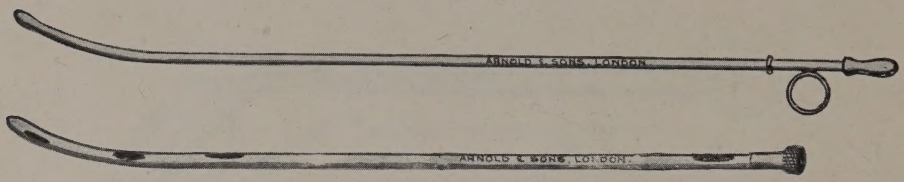


Fig. A 90

No.		£	s.	d.
A 90.	Uterine Tube (Neilsen's), double channel	0	15	0

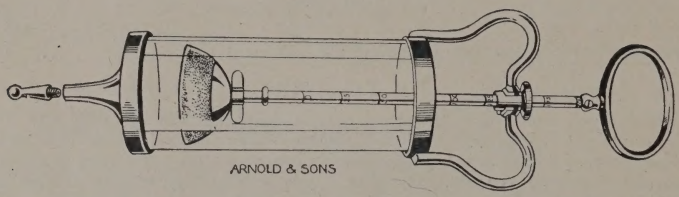


Fig. A 91

A 91. Syringe (Janet's), for use with Neilsen's Uterine Tubes, with glass barrel and metal graduated piston-rod, and India-rubber plunger, 200 c.c. 1 10 0

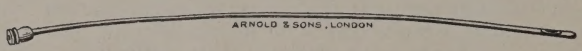


Fig. A 92

A 92.	Dog Catheter, flexible metal, 3 sizes	each	0	2	3
A 93.	Ditto elastic gum, 4 sizes	„	0	1	3

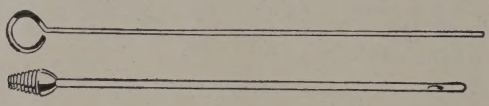


Fig. A 94

A 94. Cat Catheter (Gray's), fine, silver tube 0 2 3

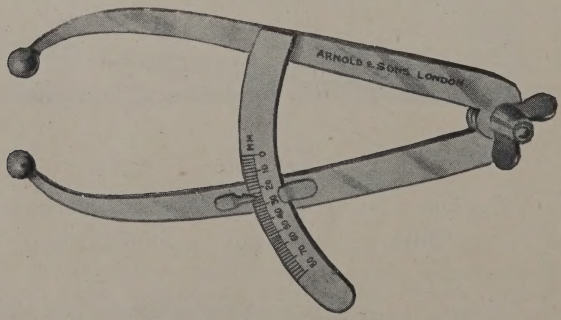


Fig. A 95

A 95. Intradermal Calipers, for measuring the swelling produced in the skin by the Intradermal Tuberculin test ... 0 14 6

A 96. Ditto ditto ditto cheaper pattern 0 9 9

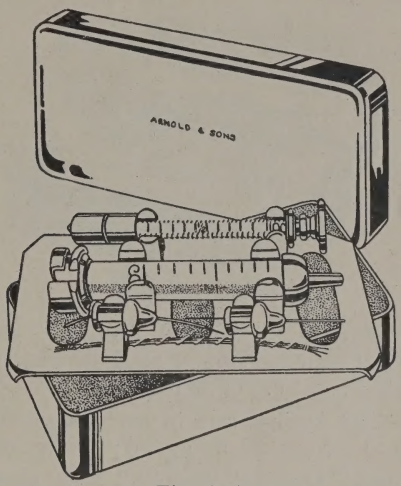


Fig. A 97

No.		£	s.	d.
A 97.	Intradermal Syringe, the "Record" with glass barrel 1 c.c. graduated in 1/10 c.c. with graduated piston and fly-nut, 2 steel needles, in metal case nickel-plated ...	0	10	6
A 98.	Ditto ditto ditto Foreign	0	6	0

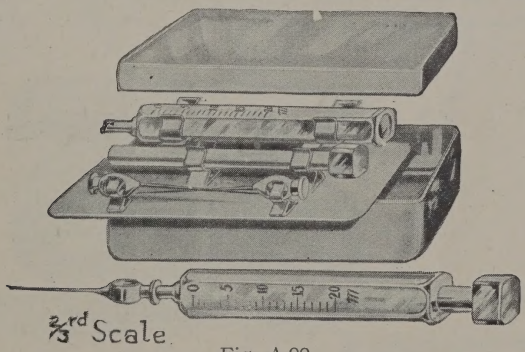


Fig. A 99

A 99.	Hypodermic Syringe, all glass, with square barrel and solid piston, fitted on removable tray for sterilising, with 2 needles, in nickel-plated metal case, 20 mins., Foreign ...	0	4	6

Fig. A 100

A 100.	Hypodermic Syringe, the "Record," with glass barrel, nickel-plated piston, in nickel plated metal spirit-proof case with one needle, 1 c.c. or 20 mins., Foreign ...	0	8	9
A 101.	Ditto ditto ditto Best English make	0	12	0

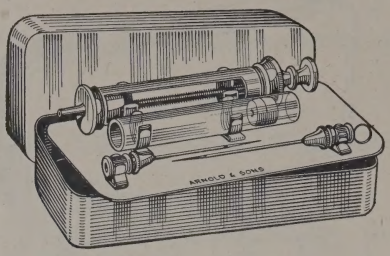


Fig. A 102

No.		£	s.	d.
A 102.	Hypodermic Syringe, "Original Record," with glass barrel, nickel-plated piston, 2 steel needles, in nickel-plated metal case, 1 c.c. or 20 min., 4/6; 2 c.c. or 40 min.	0	5	0
A 103.	Repairs.—New syringe sent in exchange where barrel is broken, 1 c.c. or 20 min., 2/6; 2 c.c. or 40 min.	0	3	0
A 104.	Serum Syringe, "Original Record," with glass barrel, nickel-plated piston, 2 steel needles, in nickel-plated metal case— 5 c.c. 6/6; 10 c.c. 8/6; 20 c.c. 12/-; 30 c.c.	0	16	6
	For Milk Fever treatment as used with the Sandoz treatment ... 50 c.c. 30/-; 100 c.c.	2	3	6
A 105.	Repairs.—New syringe sent in exchange where barrel is broken ... 5 c.c. 4/-; 10 c.c. 5/-; 20 c.c.	0	6	0

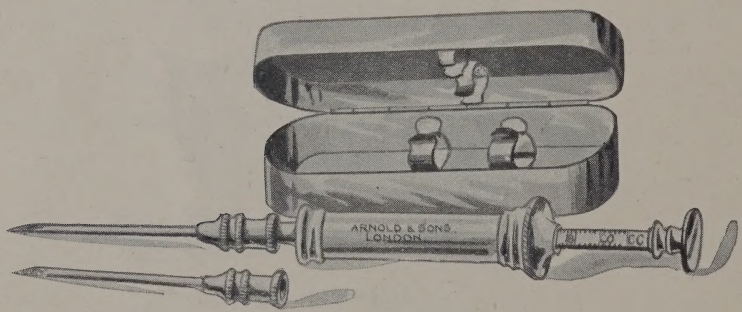


Fig. A 106

A 106.	Serum Syringe, the "Arnold," all metal nickel-plated, with 2 steel needles, in nickel-plated metal case— 1 c.c. or 20 min. 10/6; 5 c.c. 19/-; 10 c.c. 22/-; 20 c.c. 27/6; 30 c.c. 31/6; 40 c.c.	2	2	0
A 107.	For milk fever injection, as used with the Sandoz treatment ... ... 50 c.c. 47/6; 100 c.c.	2	15	0

The "Arnold," All Metal Serum Syringe has been specially designed and manufactured to meet the demand for a strong reliable easily sterilisable instrument for use where large numbers of animals are being dealt with on the farm, or in the field. It has been found to be especially satisfactory in South Africa, India and other Colonies and countries where serum immunization is carried out on a large scale and is used for the Mallein and Tuberculin test. It is manufactured in eight sizes 1, 5, 10, 20, 30, 40, 50 and 100 c.c. with regulating screw, and fitted with needles specially designed for sharpness and strength and for easily penetrating the hides of the thicker-skinned animals.

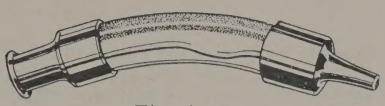


Fig. A 108

No.		£	s.	d.
A 108.	Needle Adapter (Professor McCunn's), curved, glass and metal for "Record" Syringe, for intravenous injection in greyhounds and other small animals	0	3	0

Fig. A 109

A 109.	Needle Adapter (Professor McCunn's), curved, metal for "Record" Syringe, for intravenous injection in greyhounds and other small animals, Foreign ...	0	0	8

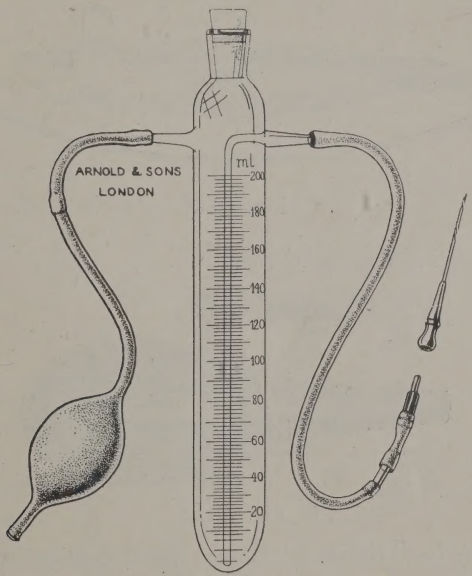


Fig. A 110

A 110.	Sir Stewart Stockman's Anti-Abortion Syringe, modified by Arnold Spicer, F.R.C.V.S., for the subcutaneous injection of large quantities of normal saline or other fluids *(see "Veterinary Record," May 24th, 1930)*, glass, graduated, with India-rubber bellows, tubing and nickel-plated needle and mount complete— 200 c.c.	1	1	0

INSTRUCTIONS FOR USE AS ANTI-ABORTION SYRINGE.

Before use the syringe should be carefully sterilised. The best method of doing this is to put it in a pot of water and bring it to the boil. The pump and the rubber bung should be removed before sterilisation. The pump should not be sterilised but the bung should. The needle and the tube connecting it with the syringe can remain attached during sterilisation. When several animals are being done at one time the sterilisation of the syringe should be repeated from time to time and on going to fresh premises. After sterilisation the syringe should be taken out of the water and allowed to cool before the vaccine is poured in.

[*Continued overleaf.*

To fill the syringe, remove the bung with the thumb and first finger of the left hand, keeping the narrow part of the bung upright and avoid bringing it in contact with any object; the syringe can be held by the other three fingers of the left hand. From the bottle of vaccine pour in the dose advised and replace the bung. Before pouring out the vaccine the outlet and lips of the bottle containing it should be disinfected by swabbing with a cotton wool plug soaked in corrosive sublimate 1-2,000.

While an assistant holds the syringe, the needle is pushed under the skin of the animal to be innoculated, and the connection is made between the syringe and the needle.

To inject, hold the syringe in the left hand with the fingers under the glass cross pieces and the thumb gently pressed on the top of rubber bung. Pump gently with the bellows so as not to highly charge the syringe with compressed air—the fluid will move out gently without much pressure. Keep the eye on the glass tube between the rubber outlet and the needle, and when the last of the fluid has passed the glass tube the pumping should be stopped so as to avoid injecting any appreciable quantity of air into the tissues.

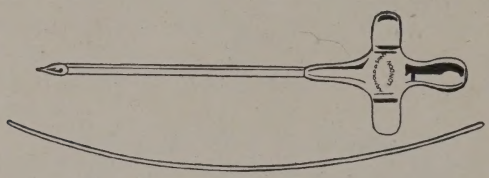


Fig. A 111

No.		£	s.	d.
A 111.	Intravenous Needle, nickel-plated	0	4	6

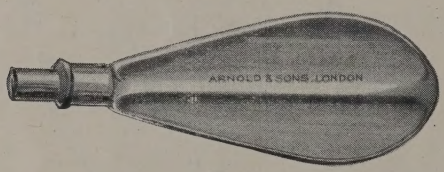


Fig. A 112

A 112.	Introducer, for "Reliance" Serum Needles, nickel-plated	0	2	9

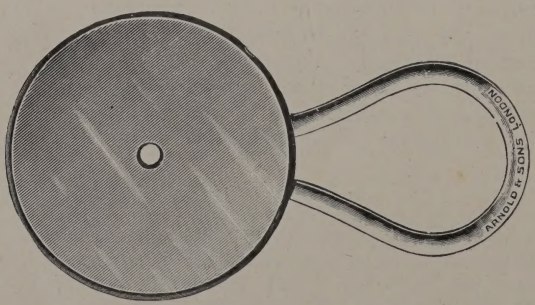


Fig. A 113

A 113.	Retinoscope, with folding nickel-plated handle ...	0	10	0

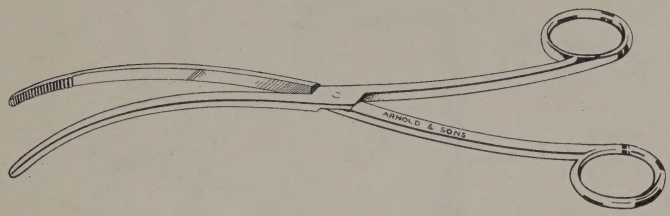


Fig. A 114

No.				£	s.	d.
A 114.	Œsophageal Forceps, plain pattern, nickel-plated		...	0	10	6
A 115.	Ditto	ditto	Foreign	0	5	6

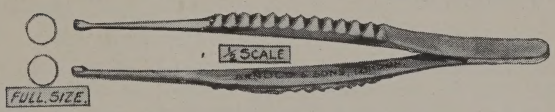


Fig. A 116

A 116. Pill Forceps (Kirk's), nickel-plated 0 9 0

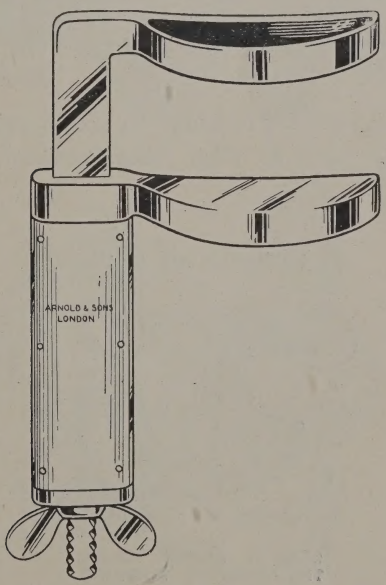


Fig. A 117

A 117. Mouth Gag (Hitching's), horse or cow, with quick screw action, fixed plate top and bottom with India-rubber pads (as used at the Royal Veterinary College) ... 2 5 0

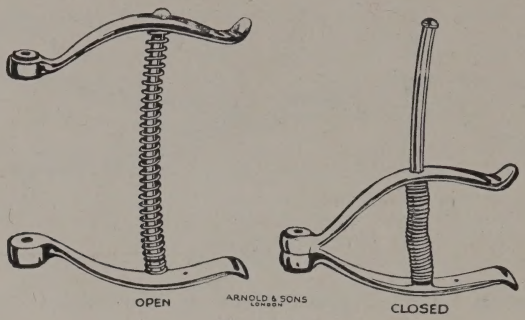


Fig. A 118

No.		£ s. d.
A 118.	Mouth Gag (Kirk's), for dogs and small animals, with India-rubber pads	0 16 6

Extract from "THE VETERINARY RECORD."

I have recently prevailed upon Messrs. Arnold and Sons, 50, Wigmore Street, London, W.1, to make for me a dog gag which is of a pattern intermediate between and incorporating the desirable points of the Gray's gag, and the Reliance gag. The modified gag has been extensively tried by myself and found eminently satisfactory both for dogs and cats, and may summarily be said to embody the following points:—

(i.) The transverse bars being curved, come into close approximation.
(ii.) They project backwards into curved hooks which afford ample grip to the fingers.
(iii.) The rubber pads do not slide in, but are let into a cup, and cannot escape.
(iv.) These pads are made of good quality rubber and have a hole punched through their centre in which the upper and lower canine teeth are accommodated.

There is hardly need to possess several different sizes of gag, as the large size can be quite well used even for cats.

A 119.	Tape Muzzles, specially designed for greyhounds, Read's Pattern (as used at West Ham Stadium), per doz.	0 15 0

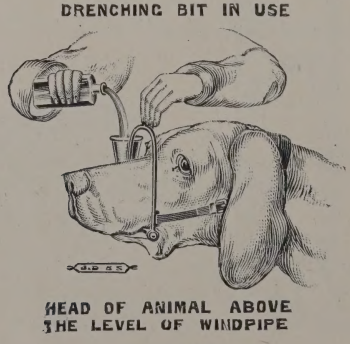


Fig. A 120

A 120.	Drenching Bit, improved, for dogs, nickel-plated, with leather strap	0 6 9

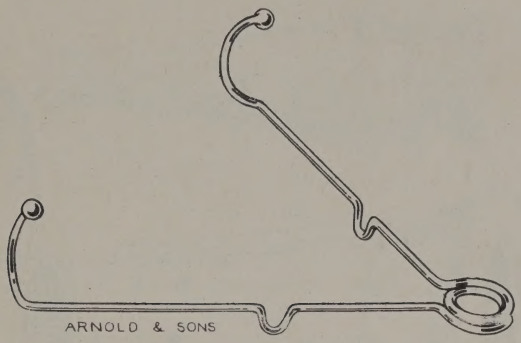


Fig. A 121

No.		£	s.	d.
A 121.	Tracheotomy Retractor, nickel-plated (as used by Professor Wooldridge, R.V.C.)	0	10	6

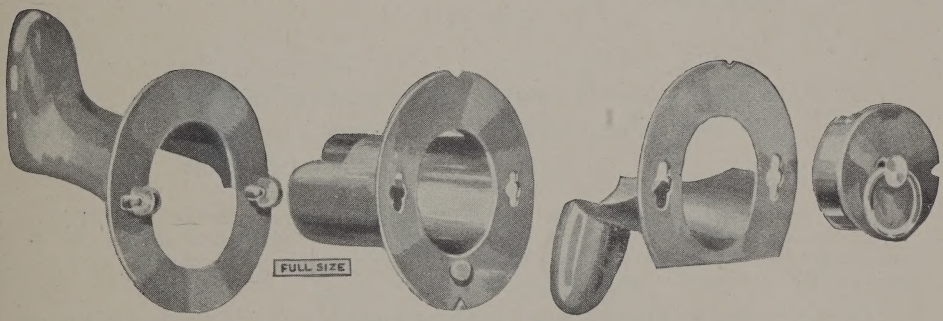


Fig. A 122

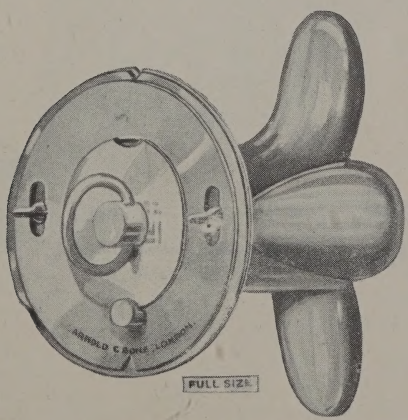


Fig. A 123

A 122 and A 123.	Tracheotomy Tube (Coleman's Improved), polished metal with plug, 4 sizes	1	3	6
A 124.	Ditto ditto Jones' Pattern, with plug, 4 sizes	1	0	0

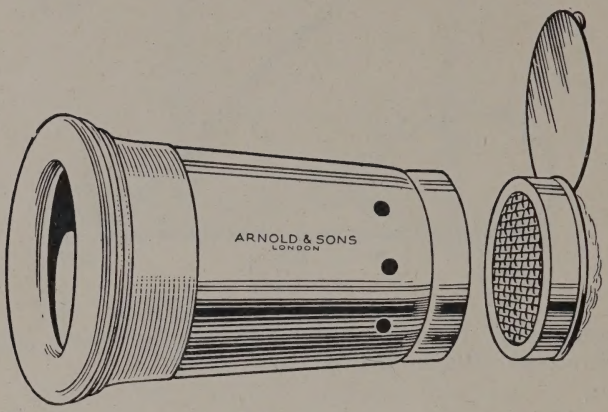


Fig. A 125

No.		£	s.	d.
A 125.	Chloroform Inhaler (Payne's), for dogs and small animals, nickel-plated, with India-rubber face-piece, two sizes— small 19/-; large	1	2	6

Two sizes are made—one for cats and small dogs, and a larger one for all breeds, Terriers to Great Danes. The inhaler is cone shaped, with a sorbo rubber covering to encircle the head of the patient. The distal end has a detachable cap to contain wool or gauze, with a covering of metal gauze.

During the past twelve months, dogs and cats have been anæsthetized for many major operations without an involuntary lethal dose. The inhaler is also very useful for destroying dogs by the Morphia-Chloroform method.

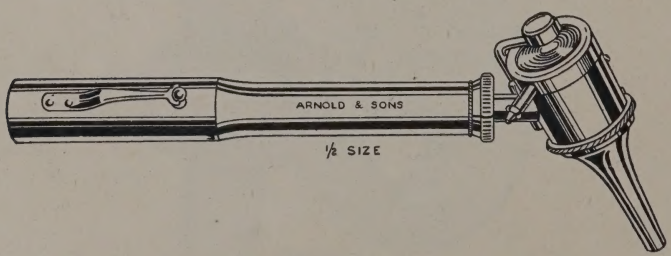


Fig. A 126

A 126.	Auriscope, for aural examination of dogs and small animals, with battery, complete	1	12	6
A 127.	Spare battery	0	0	6

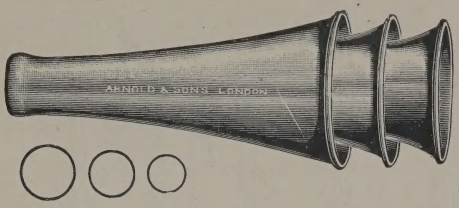


Fig. A 128

No.		£	s.	d.
A 128.	Aural Speculum (Cumberbatch's), for dogs or cats, round, plated, 3 sizes, large, medium and small per set of 3	0	13	6

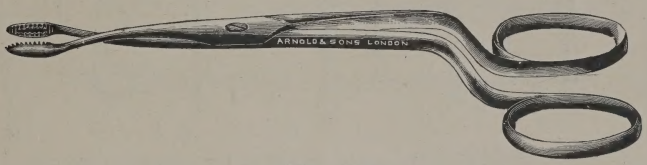


Fig. A 129

A 129.	Aural Forceps (Yearsley's), for small animals, with bent shanks, nickel-plated	0	8	0
A 130.	Ditto ditto ditto stainless steel	0	11	6

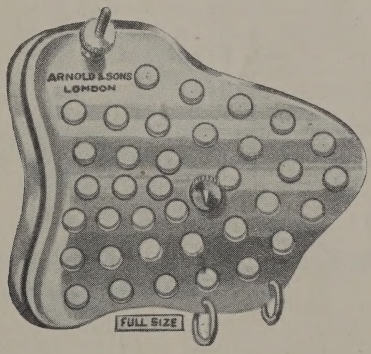


Fig. A 131

A131.	Ear Clamp (Kirk's), for dogs or cats, nickel-plated ...	0	8	6

Extract from "THE VETERINARY RECORD."

The advantages of the modified Ear clamp for the treatment of hæmatoma are :—

1. Being curved, it conforms perfectly to the natural shape of the cat's concha without causing intense discomfort.
2. The lower edges of the metal are rounded off, thus avoiding the cutting action of a straight, sharp edge.
3. A small bolt and thumb-screw have been substituted for the old pattern hinged clip, which by permitting the two parts of the clamp to open further apart, thereby obviate the possibility of setting up necrosis through the pinching action of the clip.

   This bolt is blunt-pointed and does not pass through the cartilage of the concha, as does the central pin. In practical use, it has been found very satisfactory and a distinct advance over the original.

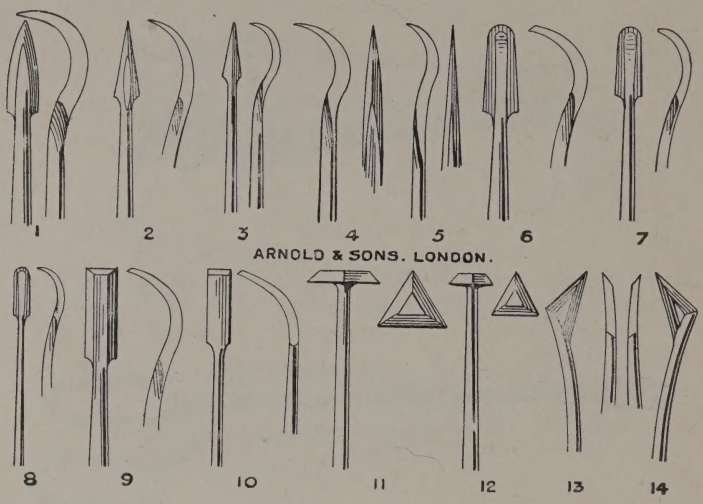


Fig. A 132

No.		£	s.	d.
A 132.	Tooth Scalers (Gray's Improved), for dogs, nickel-plated, assorted patterns, each	0	2	6

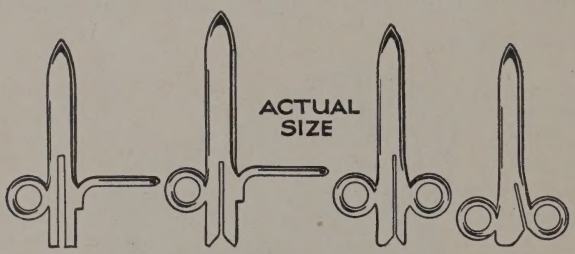


Fig. A 133 Fig. A 134 Fig. A 135 Fig. A 136

A 133 to A 136.	Teat End Sphincter Instruments (Stinson's), Patented ... ... per set of four	0	7	6

Fig. A 133. Has arm and ring with a wider slot than the others, this is the one, the use of which is indicated for the acute condition of bruised Teat end, also for light milker (natural or acquired).

The teat end is disinfected, and director part of the instrument is forced gently through the sphincter, until the arm and ring prevent further insertion.

An incision is made to the depth of the slot.

The instrument is removed and an attempt is made to draw the milk with the hand in the ordinary way.

If the flow is not a *little more* than that from the opposite teat, the instrument is again inserted, this time the *arm and ring are placed and pushed up into the depth of the previous incision*, and another incision made. The teat is again tried with the hand.

After the first incision the instrument is used by putting it into the previous incision according to the case as long as the flow of milk is unsatisfactory.

The after-treatment consists in keeping the teat end clean with antiseptics and treating as an open wound, remembering that the object is to get "open" healing.

In most cases, Antiphlogistine should be used after each milking, and a bandage applied.

Before milking, the teat end is bathed with some warm antiseptic lotion, and any scab, or discharge present, completely removed before milking. This must be done thoroughly, until healing has taken place.

Fig. A 134. Has a narrower and shorter incision slot than Fig A 133 and is intended for delicate incisions where the skin at the teat end only is tight, causing small stream or straight spray.

One incision only may be necessary, but it is advisable to be quite sure that the incision is deep enough.

In these cases discretion may be necessary as to whether it is better to use Fig. A 133 or Fig. A 134.

The only after-treatment necessary is to *thoroughly* remove the scab at teat end before milking, and to use some antiseptic.

Fig. A 135. Has the slot at one side, and is useful occasionally when operating upon a badly shaped teat end, and some spray milkers, to direct the flow of milk.

Fig. A 136. Has an oblique slot and used according to discretion in deformed teat end, spray milkers, etc., to direct the flow of milk.

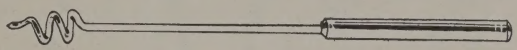


Fig. A 137

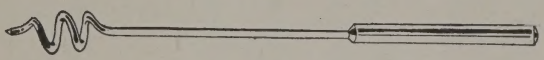


Fig. A 138

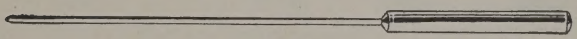


Fig. A 139

No.		£	s.	d.
A 137 to A 139.	Teat Dilators (Hudson's), Patented, corkscrew pattern, with introducer, heavily plated ... each	0	2	6
	per set of three	0	7	0

DIRECTIONS FOR USE.

Sterilize the Probe and Dilator in a hot antiseptic solution—then cleanse and dry the teat. Pass the probe along the duct and push it through the obstruction, aiming for the centre as near as possible. Screw the dilator into the teat and penetrate the hole made by the probe. Having passed through about two turns, withdraw the dilator sharply through the obstruction, holding the end of the teat to prevent it pulling out. Screw the dilator through the obstruction and withdraw again, repeating the operating until it passes freely up and down, then screw it out of the teat. Have the teat drawn at intervals during the day for a day or two after operating, but avoid rubbing or massaging. Have the cow held by the nose and hobble her.

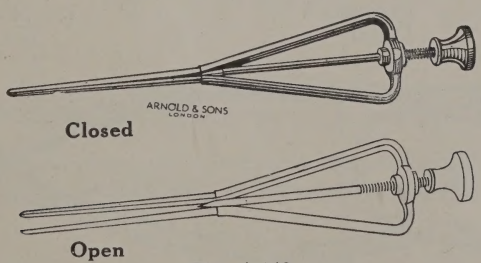


Fig. A 140

A 140.	Teat Dilator, improved, nickel-plated	0	8	0
A 141.	Second Quality	0	4	8
A 142.	Compressed Air Chamber (Mr. Collet, M.R.C.V.S., pattern), suitable for use with Professor Hobday's Chloroform Inhaler or Milk Fever Apparatus...	2	5	0

This chamber is filled with air by using a motor pump, it can be used in place of the rubber bellows. The air can be regulated by means of a tap, a pressure guage is fixed to show how much air is used and to tell how much air is left in the chamber.

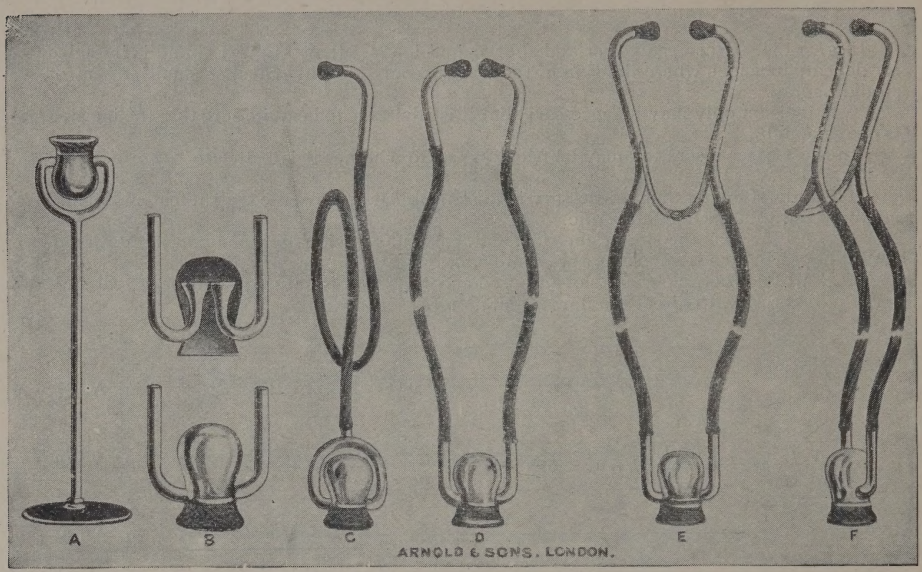


Fig. A 143 Fig. A 144 Fig. A 145 Fig. A 146 Fig. A 147 Fig. A 148

No.		£	s.	d.
A 143.	"Phonophore" Stethoscopes (Patented); with India-rubber chest cap	0	12	6
A 144.	Ditto ditto chest piece, with India-rubber chest cap	0	8	6
A 145.	Ditto ditto single flexible, with India-rubber ear and chest cap	0	12	6
A 146.	Ditto ditto double ditto	0	15	0
A 147.	Ditto ditto Binaural ditto	0	15	6
A 148.	Ditto ditto Binaural folding ditto ...	0	16	6
A 149.	Spare India-rubber caps	0	0	9
A 150.	Ditto ear pieces ... ... per pair	0	0	8
A 151.	Ditto tubing ... ... per yard	0	2	0

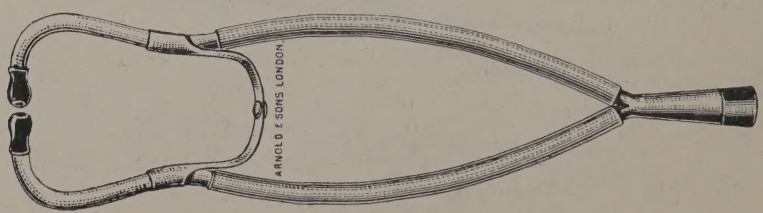


Fig. A 152

A 152.	Binaural Stethoscope, improved, wide bore, with folding spring, and all metal chest piece	1	2	6
A 153.	Ditto ditto ditto plain spring	1	1	0

The calibre of this stethoscope is equal throughout, *viz.*: the bore of the chest piece is equivalent to that of the tubing, and metal head-piece; it is recommended for its clearness in deep seated sounds.

A 154.	Binaural Stethoscope with folding spring, complete with India-rubber tube, Foreign	0	5	6

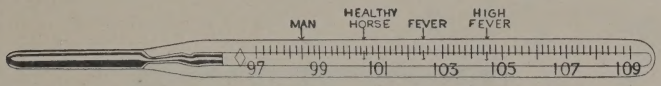


Fig. A 155

No.		£	s.	d.
A 155.	Clinical Thermometer (Professor Hobday's), horse, normal and fever temperatures, half-minute, ordinary ...	0	2	8
A 156.	Ditto ditto with lens front	0	3	0

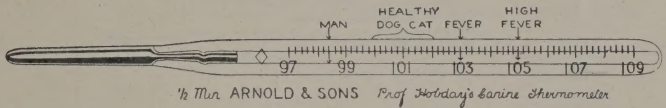


Fig. A 157

A 157.	Clinical Thermometer (Professor Hobday's), dog and cat, normal and fever temperatures, half-minute, ordinary	0	2	8
A 158.	Ditto ditto with lens front	0	3	0

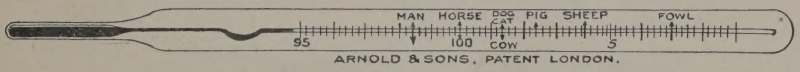


Fig. A 159

A 159.	Clinical Thermometer (Professor Hobday's), animal, normal temperatures, half-minute, ordinary ...	0	3	0
A 160.	Ditto ditto with lens front	0	3	6

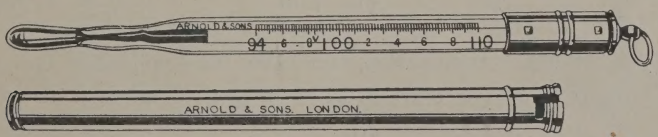


Fig. A 161

A 161.	Clinical Thermometer, American pattern, with lens front	0	3	9

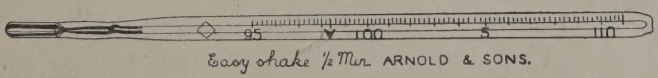


Fig. A 162

A 162.	Clinical Thermometer, "Reliance," easy shake, with short bulb and lens front, half-minute, each 2/6; per doz.	1	7	0

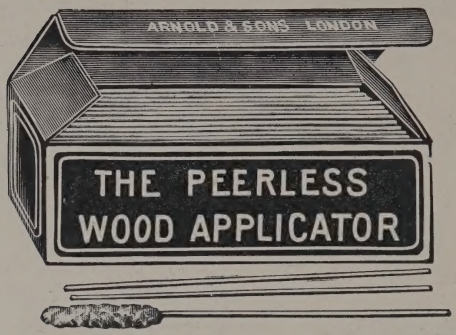


Fig. A 163

No.		£	s.	d.
A 163.	Wood Applicators, 850 in box complete	0	3	0

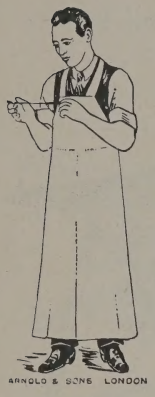
They require no cleaning, as they are used once only and then destroyed. The operator's hands are never soiled in removing the cotton wool, as the applicator and wool are destroyed together.

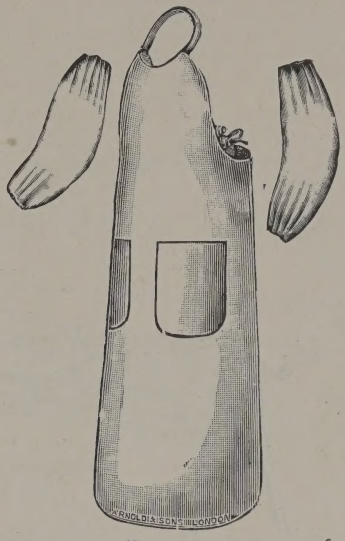
Fig. A 164

A 164. The "Kensal" Iodine Pen, facilitates the application of Iodine, with two extra brushes, in box, complete ... 0 1 0

DIRECTIONS FOR USE.

To Fill the Pen.—First remove the top tube or cap, and then remove the rubber stopper with the feed tube. Half fill the bottom tube or reservoir with tincture of Iodine. Replace the rubber stopper and feed tube in the reservoir and press the tube feed downward into the rubber stopper until the hole in the feed tube shows. This allows the Iodine tincture to flow through the feed tube into the brush. (When filling the pen for the first time or using a new brush, it is better to invert the reservoir and press the feed tube upwards. This forces the Iodine tincture through the brush more rapidly). *To Stop the Flow of Iodine*, gently pull the feed tube upwards until the inlet hole is covered by the rubber stopper. *To Regulate the Flow of Iodine.*—This can be done by partially opening or closing the inlet hole in the feed tube. *The Pen will not Leak* when the inlet hole in the feed tube is closed in the rubber stopper. *The Brush.*—Although not necessary, the end of the brush may be cut off after using, if desired, and a sufficient length pulled out for the next application.





No.	Fig. A 165	Fig. A 166	£	s.	d.
A 165.	Operation Apron, sterilisable white or transparent rubber		0	6	0
A 166.	Operation Apron, improved, waterproof, complete with sleeves		0	17	6
A 167.	Ditto ditto ditto	without sleeves	0	10	0
A 168.	Ditto ditto ditto	sleeves only, per pair	0	9	0

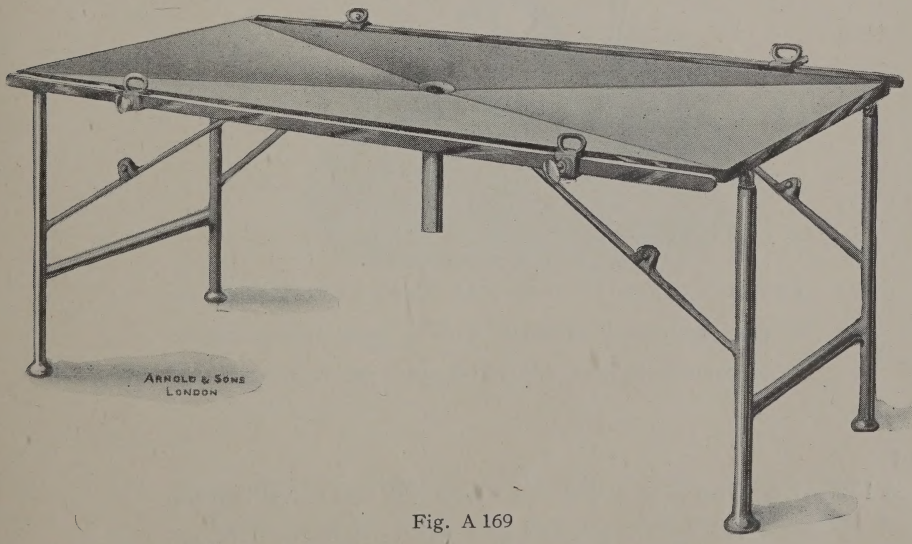


Fig. A 169

A 169.	Operation Table (Professor Hobday's Improved), for dogs and small animals, portable, folding, made of steel tubing, top finished aluminium bronze, nickel-plated runners and adjustable fittings	9	15	0
A 170.	Ditto ditto fitted with hot water tank	10	16	0

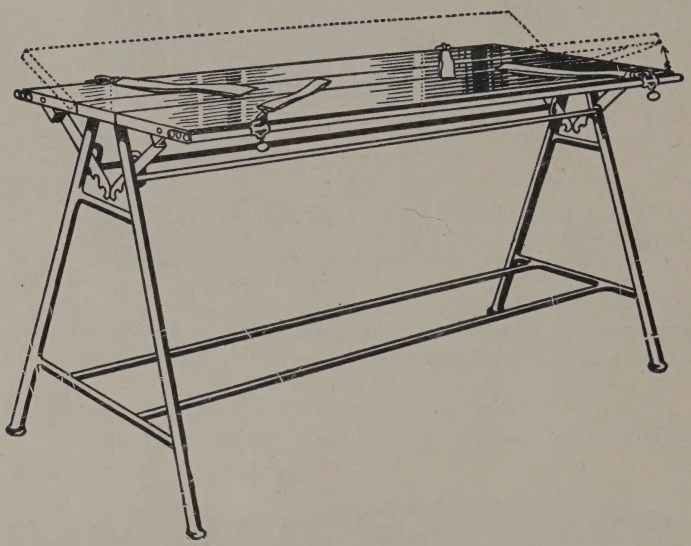


Fig. A 171

No.		£	s.	d.
A 171.	Operation Table (Professor Hobday's 1930 Model), for dogs and small animals, made of steel tubing, coated aluminium bronze, adjustable sides and fastenings ...	8	0	0
A 172.	Dog Operation Table with wood base and galvanised top which can be adapted as a flat-top table or a trough table, (Mr. Collet, M.R.C.V.S. model)	5	0	0

Electro-Medical Appliances for Veterinary Use.

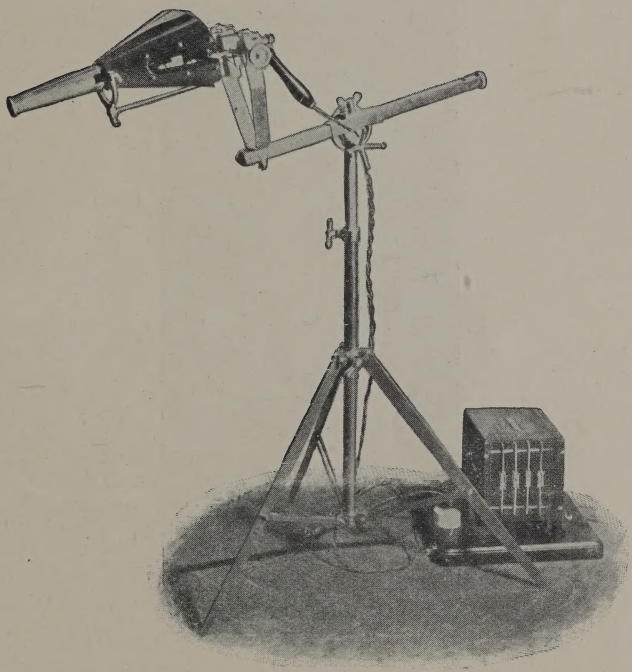


Fig. A 173

No.

A 173. The "Arnold" Tungsten Arc Lamp, specially designed for hand use or for attachment to a portable stand, complete with all accessories.

Price and full particulars on application.

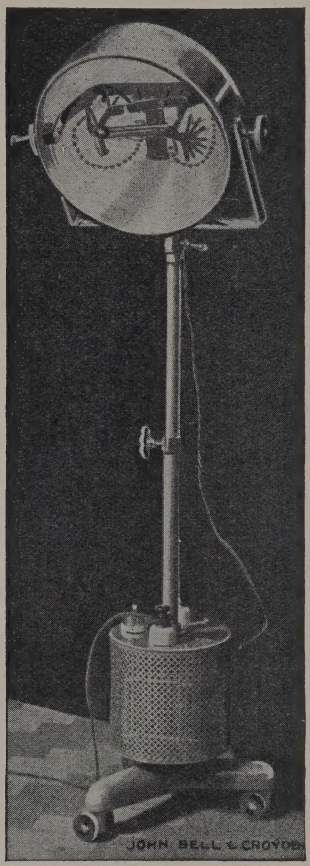


Fig. A 174

No.

A 174. The "Arnold" Mercury Vapour Quartz Lamp for direct or alternating current (as used at the Royal Veterinary College).

Price and full particulars on application.

Veterinary Sera and Vaccines.

The products of the Serum Laboratory, Antwerp.

	Prices vial of 10 cc.	60 cc.	100cc.	Per Vial for 10× 100 cc.
NORMAL HORSE SERUM, tube of 10 cc. ... ... 9d.				
TETANUS, serum (1500 I.U. in 10 cc. under official control) ...	1/-	5/6		
TETANUS ANATOXINE, Vaccine against tetanus, for one treatment of 2 injections of 10 cc. 3/-				
STRANGLES ANTISTREPTOCOCCUS { serum polyvalent ...	1/-	5/6	9/-	
{ lipo-vaccine 1 dose (2 cc.) 6d.				
PETECHIAL FEVER, in horses, serum polyvalent	1/2	6/-		
POLYARTHRITIS IN FOALS OR JOINT-ILL, serum polyvalent ...	1/-	5 6		
WHITE SCOUR IN CALVES, serum polyvalent	1/-	5/6	9/-	8/3
Vaccine, phial of one dose ... ... 6d.				
EPIZOOTIC PLEURO-PNEUMONIA IN CALVES, or Pasteurellosis { serum polyvalent	1/-	5/6	9/-	8/3
{ vaccine, bulb of 5 doses 2/-				
PASTEURELLOSIS OVUM { serum polyvalent	1/-	5/6	9/-	8/3
{ vaccine, bulb of 5 doses ... 2/-				
{ „ bottles of 100 doses... 30/-				
BLACKLEG, serum	1/3	6/9	11/-	10/-
ANTHRAX, serum	1/3	6/9	11/-	10/-
SWINE ERYSIPELAS { serum (10 vials of 100 cc. : £3)	10d.	4/6	6/6	
{ vaccine, bulb of 10 doses ... ... 6d.				
{ „ „ „ 20 „ ... ... 9d.				
SWINE PLAGUE or Pasteurellosis in Pigs { serum polyvalent	1/-	5/6	9/-	8/3
{ vaccine, bulb of 5 doses 2/-				
PARATYPHIC SWINE PEST, vaccine polyvalent, bulb of 5 doses 2/-				
HOG CHOLERA or Swine Fever, serum	1/3	6/9	11/-	10/-
CANINE DISTEMPER { serum polyvalent, 1 bulb of 6 cc. ... 1/-				
{ vaccine polyvalent, 1 bulb of 2 cc. 6d.				
CUTANEOUS SUPPURATIONS in Dogs—Kynodermine, vaccine polyvalent, vial of 20 cc. 2/-				
CHICKEN CHOLERA { serum polyvalent...	9d.	4/-	6 6	
{ vaccine polyvalent, tube of 10 doses (5 cc.) 9d.				
DIPHTERITIS IN PIGEONS AND CHICKEN (vaccine of Prof. Lahaye of the Veterinary School in Brussels) 15 doses 1 cc. 2/-				
EPIZOOTIC ABORTION IN MARES—Equiparatyphine, vaccine, 3 bulbs for one treatment 4/-				
EPIZOOTIC ABORTION IN CATTLE and Ewes { Avortine, dead vaccine...	9d.	4/-	6/6	6/-
{ Bovinatine, living vaccine, 1 dose of 50 cc. 2/3				
MASTITIS STREPTOCOCCI, lipo-vaccine, 1 dose ... 6d.				
GRANULAR VAGINITIS in Cows	9d.	4/-	6/6	6/-
LACTOFERMENTINE (selected lactic ferments) box of 3 ½-oz. 1/6				
HEMASTINE, syrup based on hæmoglobin			1/6	
PYO-VACCINE against tenacious suppurations, vial of 4 doses ...	2/-			
TUBERCULINE { subcutaneous, vial of 2 doses	1/-			
{ intradermal, tube of 5 doses 1/-				
{ ophthalmic liquid, vial of 10 doses ... 2/-				
{ „ ointment, tube of 10 doses ... 2/-				
AVIAN TUBERCULINE, tube of 1 cc. (about 20 doses) ... 2/-				
CANINE TUBERCULINE, tube of 2 cc. ... ... 6d.				
VIRUS A.V. for destruction of rats and mice			1/6	

Sera and Vaccines are supplied to members of the Profession only.
Special instructions for use are issued with each product.
Sera contain a small quantity of preservative, and retain their properties for more than a year.
Regular consignments and ideal storage conditions ensure delivery in perfect condition.

ARNOLD & SONS'

Surgical Dressings.

WATER DRESSING BANDAGES (6 yards) in packets of one dozen.

		2"	2½"	3"	4"
Best Quality	per gross	16/-	21/-	24/6	31/-
No. 2 Quality Grey Open Wove	,,	15/-	18/9	22/6	29/6

		1"	1½"	2"	2½"	3"	4"
No. 3 Quality ...	per gross	7/6	11/6	14/9	18/-	21/6	28/6
No. 4 Quality ...	,,	7/-	10/-	13/-	16/-	19/6	22/6

WHITE ABSORBENT LINT ...	per lb. packet	2/-
,, ,, GAUZE 36 × 6 ...	per packet	7d.
,, ,, ,, ,,	per doz. packets	6/6
,, ,, WOOL ...	per lb. packet, best	1/3
,, ,, ,,	,, common	1/-

TOW, best quality	per lb. packet	11d.
,, second quality	,,	7d.

Other Dressings can be supplied on application, and special quotations for large quantities.

KUNOSAL

New Tonic Treatment for Dogs.

The latest scientific combination of the entire Mineral Substances essential to the well-being of the Dog.

For the first time these vital elements are here presented in an assimilable and palatable form.

A course of this powder added periodically to the food—

IMPROVES BONE & MUSCLE

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